

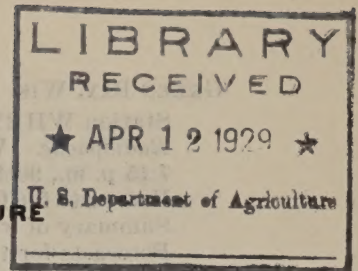
Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

W37
Ry
Circular No. 15—Radio (Fourth Edition—Revised)

UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
WASHINGTON

Forecast Division



April 1, 1929

CIRCULAR

DISTRIBUTION OF WEATHER INFORMATION, FORECASTS, AND WARNINGS
BY RADIO FOR THE BENEFIT OF NAVIGATION ON THE GREAT LAKES

Weather forecasts and information for such States as are contiguous to the Great Lakes, and forecasts and warnings for the Great Lakes, are broadcast by radio from a number of broadcasting stations cooperating with the United States Weather Bureau. The broadcasts of weather forecasts, warnings, and other pertinent information have been arranged so as to be of special benefit to navigation, shipping, and aviation interests of the Great Lakes region, and are made daily, except as noted, from stations at important Lake ports. The daily forecasts of wind and weather are made separately for the upper and lower Lakes, and are broadcast accordingly, as indicated in the following schedules:

RADIO BROADCASTING STATIONS AND SCHEDULES

DULUTH, MINN.

Station WEBC.—Superior-Duluth.

Radiophone. Wave length 235 meters; 1,280 kc/s.

11:55 a. m. and 5:45 p. m., 90th meridian time. (Except Sundays.)

7 a. m. pressure, wind, and weather at Duluth, Port Arthur, Houghton, Marquette, and Sault Ste. Marie.

7 a. m. wind and weather at Portage and Whitefish Point.

Forecasts for Duluth-Superior and vicinity, Minnesota, and Wisconsin.

Forecasts for the upper Lakes.

Storm warnings whenever issued.

Station WME.—Intercity Radio Telegraph Co.

Radiotelegraph. Wave length 715 meters, ICW; 419 kc/s.

10 a. m. and 4 p. m., 90th meridian time.

7 a. m. pressure, wind, and weather at Duluth, Port Arthur, Houghton, Marquette, and Sault Ste. Marie.

7 a. m. wind and weather at Portage and Whitefish Point.

Forecasts for the upper Lakes.

Storm warnings whenever issued.

Station WRL.—Radiomarine Corporation of America.

Radiotelegraph. Wave length 730 meters ACCW; 410 kc/s.

10 a. m., 4 p. m., and 9:30 p. m., 90th meridian time.

7 a. m. pressure, wind, and weather at Duluth, Port Arthur, Houghton, Marquette, and Sault Ste. Marie.

7 a. m. wind and weather at Portage and Whitefish Point.

Forecasts for the upper Lakes.

Storm warnings whenever issued.

CALUMET, MICH.

Station WHDF.—Chas. C. MacLeod.

Radiophone. Wave length 219 meters; 1,370 kc/s.

12 noon and 5 p. m., 90th meridian time. (Except Sundays and holidays.)

Forecasts for Houghton and vicinity and upper Michigan.

Storm warnings for Lake Superior whenever issued.

GREEN BAY, WIS.

Station WHBY.—St. Norbert's College. (West De Pere, Wis.)

Radiophone. Wave length 250 meters; 1,200 kc/s.

7:15 p. m., 90th meridian time. (Except Sundays and holidays.)

Forecasts for Green Bay and Wisconsin.

Summary of weather conditions.

Forecasts for the upper Lakes.

Storm warnings whenever issued.

MILWAUKEE, WIS.

Station WHAD.—The Marquette University.

Radiophone. Wave length 267.9 meters; 1,120 kc/s.

4:30 p. m., 90th meridian time. (Except Saturdays, Sundays, and holidays.)

Forecasts for Milwaukee and Wisconsin.

Forecasts for the upper Lakes.

Storm warnings whenever issued.

Station WISN.—The Wisconsin News.

Radiophone. Wave length 267.9 meters; 1,120 kc/s.

2:15 and 6 p. m., 90th meridian time. (Except Sundays and holidays.)

7 a. m. pressure, wind, and weather at Chicago, Grand Haven, Milwaukee, Escanaba, and Sault Ste. Marie; wind and weather at Mackinaw and Plum Island.

Forecasts for Milwaukee and Wisconsin.

Forecasts for the upper Lakes.

Storm warnings whenever issued.

Station WTMJ.—The Milwaukee Journal.

Radiophone. Wave length 484 meters; 620 kc/s.

10:30 a. m., 12 noon, and 10 p. m., 90th meridian time. (Except Sundays and holidays.)

7 a. m. pressure, wind, and weather at Chicago, Grand Haven, Milwaukee, Escanaba, and Sault Ste. Marie; wind and weather at Mackinaw and Plum Island.

Forecasts for Milwaukee and Wisconsin.

Forecasts for the upper Lakes.

Storm warnings whenever issued.

GREAT LAKES, ILL.

Station NAJ.—United States Navy.

Radiotelegraph. Wave length 2,459 meters, CW.; 122 kc/s.

10:15 a. m. and 10 p. m., 90th meridian time.

7 a. m. and 7 p. m. pressure, wind, and weather at Chicago, Grand Haven, Milwaukee, Ludington, Escanaba, and Sault Ste. Marie; and wind and weather at Whitefish Point.

7 a. m. wind and weather at Beaver Island, Mackinaw, and Plum Island at 10:15 a. m.

Forecasts for upper and lower Lakes.

Storm warnings whenever issued.

Storm warnings issued in the afternoon are broadcast at 4 p. m., 90th meridian time.

CHICAGO, ILL.

Station KFKX.—Chicago Herald and Examiner; Westinghouse Electric and Manufacturing Co.

Radiophone. Wave length 294.1 meters; 1,020 kc/s.

8:58 a. m., 6 p. m., and 10:15 p. m. (except Sundays and holidays); Sundays only—2 p. m.,

4:30 p. m., and 10:15 p. m., 90th meridian time.

Forecasts for Chicago and vicinity, and Illinois.

Aviation forecasts for Zones 4 and 8.

Forecasts for upper and lower Lakes.

Storm warnings whenever issued.

Station KYW.—Westinghouse Electric and Manufacturing Co.

Radiophone. Wave length 294.1 meters; 1,020 kc/s.

11 a. m. (except Sundays and holidays), 11:55 p. m. (except 11 p. m. Sunday nights), 90th meridian time.

7 a. m. and 7 p. m. pressure, wind, and weather at Chicago, Grand Haven, Milwaukee, Ludington, Escanaba, and Sault Ste. Marie; and wind and weather at Whitefish Point.

7 a. m. wind and weather at Beaver Island, Mackinaw, and Plum Island, at 11 a. m.

Forecasts for Illinois, Indiana, Wisconsin, Minnesota, and Upper and Lower Michigan.

Aviation forecasts for Zones 4 and 8.

Forecasts for upper and lower Lakes.

Storm warnings whenever issued.

CHICAGO, ILL.—Continued.

Station WAAF.—The Daily Drovers Journal.

Radiophone. Wave length 326 meters; 920 kc/s.

10:30 a. m. and 12:30 p. m., 90th meridian time. (Except Sundays and holidays.)

Forecasts for Illinois, Indiana, Wisconsin, Minnesota, and Upper and Lower Michigan.

Aviation forecasts for Zones 4 and 8.

Forecasts for upper and lower Lakes.

General forecast.

Storm warnings whenever issued.

Station WBBM.—Atlass Co., Inc.

Radiophone. Wave length 390 meters; 770 kc/s.

12 noon and 6 p. m., 90th meridian time. (Except Sundays and holidays.)

Forecasts for Chicago and vicinity, Illinois, Indiana, Lower Michigan, Upper Michigan, and Wisconsin.

Forecasts for upper and lower Lakes.

General weather forecasts.

Storm warnings whenever issued.

Station WCF.—Intercity Radio Telegraph Co.

Radiotelegraph. Wave length 730 meters, ICW; 410 kc/s.

10 a. m. and 3 p. m., 90th meridian time.

Forecasts for Chicago and vicinity.

Forecasts for upper and lower Lakes.

Storm and small craft warnings whenever issued.

Station WCFL.—Chicago Federation of Labor.

Radiophone. Wave length 309.1 meters; 970 kc/s.

12:45 p. m. and 5:40 p. m., 90th meridian time. (Except Sundays and holidays.)

Forecasts for upper and lower Lakes.

General forecast.

Storm warnings whenever issued.

Station WENR.—Great Lakes Broadcasting Co.

Radiophone. Wave length 345 meters; 870 kc/s.

10:15 a. m. and 11:40 p. m., 90th meridian time.

Forecasts for Chicago and vicinity.

Forecasts for upper and lower Lakes.

General forecast.

Storm warnings whenever issued.

Station WGN.—The Chicago Tribune and Liberty.

Radiophone. Wave length 417 meters; 720 kc/s.

12 noon and 7 p. m., 90th meridian time.

Forecasts for Chicago and vicinity, Illinois, Indiana, Lower Michigan, Upper Michigan, and Wisconsin.

Forecasts for upper and lower Lakes.

Storm warnings whenever issued.

Station WGO.—Radio Corporation of America.

Radiotelegraph. Wave length 730 meters, CW.; 410 kc/s.

11 a. m., 4 p. m., and 9 p. m., 90th meridian time.

7 a. m. and 7 p. m. pressure, wind, and weather at Chicago, Grand Haven, Milwaukee, Ludington, Escanaba, and Sault Ste. Marie; and wind and weather at Whitefish Point.

7 a. m. wind and weather at Beaver Island, Mackinaw, and Plum Island at 11 a. m.

Forecasts for Chicago and vicinity.

Forecasts for the upper and lower Lakes.

Storm and small craft warnings whenever issued.

Station WLS.—Prairie Farmer Publishing Co.

Radiophone. Wave length 345 meters; 870 kc/s.

9 a. m. and 12:10 p. m., 90th meridian time. (Except Sundays and holidays.)

Forecasts for Chicago, Illinois, Indiana, Wisconsin, Minnesota, and Upper and Lower Michigan.

General forecast and weather conditions.

Aviation forecast for Zones 4, 7, and 8.

Forecasts for upper and lower Lakes.

Storm warnings whenever issued.

CHICAGO, ILL.—Continued.

Station WMAQ.—The Chicago Daily News.

Radiophone. Wave length 448 meters; 670 kc/s.

9 a. m. and 10:10 a. m., 90th meridian time. (Except Sundays and holidays.)

Forecasts for Illinois, Indiana, Wisconsin, Minnesota, and Lower Michigan.

Aviation forecast for Zones 4 and 8.

Forecasts for upper and lower Lakes.

General forecast.

Storm warnings whenever issued.

MACKINAC ISLAND, MICH.

Station WHQ.—Mackinac Radio Service.

Radiotelegraph. Wave length 875 meters; tube (AC CW); 343 kc/s.

10:15 a. m. and 4:15 p. m., 90th meridian time.

Forecasts for Lakes Huron, Michigan, and Superior.

Storm warnings whenever issued.

ROGERS, MICH.

Station WLC.—The Michigan Limestone and Chemical Co.

Radiotelegraph. Wave length 715 meters; spark and CW; 419 kc/s.

8:45 a. m., 75th meridian time: State of weather and wind direction and velocity at Mackinaw, Middle Island, Alpena, Tawas Point, Harbor Beach, and Port Huron; barometric pressure at Alpena and Port Huron.

10:45 a. m. and 10:30 p. m., 75th meridian time: Weather forecast for upper Lakes; storm and advisory warnings whenever issued.

4:45 p. m. and 8:45 p. m., 75th meridian time: State of weather and wind direction and velocity at 4 and 8 p. m., respectively, at Middle Island and Alpena; storm and advisory warnings whenever issued.

DETROIT, MICH.

Station WAFD.—A. B. Parfet Co.

Radiophone. Wave length 200 meters; 1,500 kc/s.

5:30 p. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Lower Michigan and Detroit.

Forecasts for the upper and lower Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

Station WGHP.—G. H. Phelps, Inc.

Radiophone. Wave length 241.9 meters; 1,240 kc/s.

6:45 p. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Detroit and Lower Michigan.

Forecasts for upper and lower Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

Station WJR.—WJR, Inc., and Detroit Free Press.

Radiophone. Wave length 400 meters; 750 kc/s.

5:50 p. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Detroit and Lower Michigan.

Forecasts for the upper and lower Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

Station WMBC.—Michigan Broadcasting Co., Inc.

Radiotelegraph. Wave length 211 meters; 1,420 kc/s.

4:35 p. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Lower Michigan and Detroit.

Forecasts for the upper and lower Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

DETROIT, MICH.—Continued.

Station WWJ.—The Detroit News.

Radiophone. Wave length 326 meters; 920 kc/s.

10:25 a. m., 11:55 a. m., and 3:50 p. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Lower Michigan and Detroit.

Forecasts for upper and lower Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

TOLEDO, OHIO.

Station WSPD.—Toledo Broadcasting Co.

Radiophone.—Wave length 223.9 meters; 1,340 kc/s.

7 p. m., 75th meridian time.

Forecasts for Toledo and vicinity.

Storm warnings whenever issued.

CLEVELAND, OHIO

Station WCY.—Radiomarine Corporation of America.

Radiotelegraph. Wave length 730 meters CW; 410 kc/s.

10:30 a. m. and 10:30 p. m., 75th meridian time.

8 a. m. and 8 p. m. pressure, wind, and weather at Cleveland, Toledo, and Erie.

Forecasts for the lower and upper Lakes.

Storm warnings for Lake Erie, and advisory warnings for the Great Lakes whenever issued.

Station WEAR.—WTAM-WEAR, Inc.

Radiophone. Wave length 280.4 meters; 1,070 kc/s.

12 noon and 4 p. m., 75th meridian time. (Except Sundays and holidays.)

8 a. m. pressure, wind, and weather at Cleveland, Toledo, and Erie.

Forecasts for Ohio and Cleveland.

Forecasts for the lower and upper Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

Station WJAY.—Cleveland Radio Broadcasting Corp.

Radiophone. Wave length 206.8 meters; 1,450 kc/s.

11:15 a. m. and 5:30 p. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Cleveland and vicinity, and Ohio.

Forecasts for lower and upper Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

5:30 p. m., Sundays and holidays only.

Forecasts for Ohio and Lake Erie.

Storm warnings whenever issued.

Station WTAM.—WTAM-WEAR, Inc.

Radiophone. Wave length 280.4 meters; 1,070 kc/s.

6:55 p. m., 75th meridian time. (Except Sundays and holidays.)

8 a. m. pressure, wind, and weather at Cleveland, Toledo, and Erie.

Forecasts for Cleveland and vicinity, and Ohio.

Forecasts for the lower and upper Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

5:45 p. m. (Sundays and holidays only.)

Forecasts for Ohio and Lake Erie.

Storm warnings whenever issued.

Station WTK.—Intercity Radio Telegraph Co.

Radiotelegraph. Wave length 715 meters, ICW; 419 kc/s.

11:05 a. m., 4 p. m., and 10:10 p. m., 75th meridian time.

8 a. m. pressure, wind, and weather at Cleveland, Toledo, and Erie at 11:05 a. m. only.

Forecasts for the lower and upper Lakes.

Storm warnings for Lake Erie and advisory messages for the Great Lakes whenever issued.

BUFFALO, N. Y.

Station WAM.—Intercity Radio Telegraph Co.

Radiotelegraph. Wave length 715 meters ICW; 419 kc/s.

11 a. m. and 10 p. m., 75th meridian time.

8 a. m. and 8 p. m. pressure, wind, and weather at Buffalo and Oswego.

Forecasts for the lower Lakes.

Storm warnings whenever issued.

Station WBL.—Radiomarine Corporation of America.

Radiotelegraph.—Wave length 730 meters CW; 410 kc/s.

8 a. m. and 8 p. m., 75th meridian time, pressure, wind, and weather at Buffalo and Oswego
will be furnished vessel masters upon request.

Storm warnings whenever issued.

Station WGR.—WGR, Inc.

Radiophone. Wave length 545 meters; 550 kc/s.

12 noon, 6 p. m., and 11 p. m., 75th meridian time.

Forecasts for Buffalo and western New York.

Forecasts for lower Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

Station WMAK.—WMAK Broadcasting System, Inc.

Radiophone. Wave length 333.1 meters; 900 kc/s.

12 noon and 7 p. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Buffalo and western New York.

Forecasts for lower Lakes.

Summary of weather conditions.

Storm warnings whenever issued.

ROCHESTER, N. Y.

Station WHAM.—Stromberg Carlson Co.

Radiophone. Wave length 260.9 meters; 1,150 kc/s.

11:30 a. m., 6:30 p. m., and 11 p. m., 75th meridian time. (Except 11:30 a. m. and 6:30 p. m.
Sundays and holidays.)

8 a. m. pressure, wind, and weather at Rochester and Buffalo.

Forecasts for Rochester and vicinity and western New York.

Forecasts for lower Lakes.

Storm warnings whenever issued.

Station WHEC.—Hickson Electric Co.

Radiophone. Wave length 208.2 meters; 1,440 kc/s.

12 noon, 75th meridian time. (Except Sundays and holidays.)

8 a. m. pressure, wind, and weather at Rochester and Buffalo.

Forecasts for Rochester and vicinity and western New York.

Forecasts for lower Lakes.

Storm warnings whenever issued.

PITTSBURGH, PA.

Station KDKA.—Westinghouse Electric and Mfg., Co.

Radiophone. Wave length 306 meters; 980 kc/s.

9:40 a. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Pennsylvania and Ohio.

12 noon, 75th meridian time. (Except Sundays and holidays.)

Forecasts for Pennsylvania and Ohio.

Weather conditions.

Storm warnings for Great Lakes whenever issued.

4 p. m., 75th meridian time. (Except Sundays and holidays.)

Forecasts for Pennsylvania and Ohio.

10:30 p. m. or 11 p. m. (At end of program.) 75th meridian time.

Forecasts for Pennsylvania, New York, Lower and Upper Michigan, Ohio, and Indiana.

Storm warnings for upper and lower Lakes whenever issued.

Broadcasts are made throughout the year from the following radio stations: WEBC, WHDF, WHBY, WHAD, WISN, WTMJ, KFKX, KYW, WAAF, WBBM, WCFL, WENR, WGN, WLS, WMAQ, WAFD, WMBC, WGHP, WJR, WWJ, WSPD, WEAR, WJAY, WTAM, KDKA, WGR, WMAK, WHAM, and WHEC. All other stations broadcast only during the season of navigation on the Great Lakes.

Storm warnings, weather conditions at certain indicated Lake points, and the forecasts for the upper and lower Lakes are broadcast only during the season of navigation.

C. H. Marwin.

Chief of Bureau.

This edition supersedes all other editions of this Circular, 1st, 2d, and 3d editions, dated April 1, 1926, 1927, and 1928, respectively.

Additional copies of this Circular may be procured on application to any Weather Bureau Office at Great Lake ports, or to Washington, D. C.

(WB-3-30-29-1,800)

